Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/28/2018 10:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124737	-1	1.16	124801	1.15
Blue	F	SSC	125000	124366	-1	1.61	125053	1.62
Blue	E	FITC	16596	16113	-3	2.80	348	20.72
Blue	D	PE	29392	28662	-3	1.87	622	15.22
Blue	B	PerCP-Cy5-5	38531	38618	0	4.06	1180	21.78
Blue	A	PE-Cy7	26351	26146	-1	7.36	642	43.21
Red	C	APC	43035	42365	-2	2.69	1593	13.27
Red	A	APC-Cy7	25611	25395	-1	2.89	886	12.85
Violet	B	V450	8803	8597	-3	3.78	478	13.72
Violet	A	V500	32560	32028	-2	3.47	747	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20469	2.92	603	6	N/A	N/A	Pass
Blue	F	SSC	56873	1.04	563	8	N/A	N/A	Pass
Blue	E	FITC	60	66.72	552	2	0.0180	114	Pass
Blue	D	PE	130	55.17	552	3	0.1867	435	Pass
Blue	B	PerCP-Cy5-5	225	52.09	656	5	0.0080	50	Pass
Blue	A	PE-Cy7	124	106.67	711	6	0.0098	24	Pass
Red	C	APC	374	27.53	602	5	0.0199	88	Pass
Red	A	APC-Cy7	215	27.64	575	4	0.0046	622	Pass
Violet	B	V450	74	60.56	479	4	0.0441	1727	Pass
Violet	A	V500	111	33.57	489	5	0.0219	667	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.33	-32.12	1.05
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.35	13.60 - 20.40	N/A	N/A	29.64	29.78	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10875

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments